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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/644,579	08/20/2003	Connie Sanchez	05432/100M919-US1	5200

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EXAMINER	
CHONG, YONG SOO	
ART UNIT	PAPER NUMBER
1617	

MAIL DATE	DELIVERY MODE
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/644,579	SANCHEZ ET AL.	
	Examiner	Art Unit	
	YONG S. CHONG	1617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *29 April 2008*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *20-44* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *20-44* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *4/30/08*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Status of the Application

This Office Action is in response to applicant's arguments filed on 4/29/08. Claim(s) 1-19 have been cancelled. Claim(s) 20-44 are pending and examined herein.

Applicant's arguments have been fully considered but found not persuasive. The rejection(s) of the last Office Action are maintained for reasons of record and repeated below for Applicant's convenience.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington,* 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 20-44 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 36-46 of copending Application No. 10/468,685; claims 20-34 of copending Application No. 10/644,587, and claims 20, 22-37 of copending Application No. 10/644,588 in view of applicant's own admission.

Applications 10/468,685 and 10/644,587 disclose a method of treating depression by administering escitalopram, while application 10/644,587 discloses a method of treating depression in a patient who is being administered a selective serotonin reuptake inhibitor other than escitalopram. These applications do not disclose a patient population who has failed to respond to initial treatment with a selective serotonin reuptake inhibitor other than escitalopram, such as citalopram.

In applicant's own admission, the specification discloses that clinical studies on depression and anxiety disorders indicate that non-response or resistance to SSRIs, where at least 40-60% reduction in symptoms has not been achieved during the first 6 weeks of treatment (pg. 1, paragraph 3). The specification also states that substantially all of the antidepressant effect is in the S-enantiomer, which is escitalopram, of the racemate, citalopram (pg. 2, paragraph 1).

Therefore, it would have been prima facie obvious to a person of ordinary skill in the art, at the time the claimed invention was made, to administer escitalopram to a patient who failed to respond to the initial treatment with a selective serotonin reuptake inhibitor other than escitalopram, such as citalopram.

A person of ordinary skill in the art would have been motivated to administer escitalopram because of the reasonable expectancy of successfully optimizing a treatment for depression using a more effective selective serotonin reuptake inhibitor.

This is a provisional obviousness-type double patenting rejection.

Response to Arguments

Applicant's request that these provisional rejections be held in abeyance is acknowledged. The double patenting rejections are maintained for reasons of record.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in Graham vs John Deere Co., 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 20-44 are rejected under 35 U.S.C. 103(a) as being obvious over Boegesoe et al. (US Patent 4,943,590) in view of applicant's own admission.

The instant claims are directed to a method of treating depression in a patient, who failed to respond to initial treatment with a selective serotonin reuptake inhibitor other than escitalopram, such as citalopram, by administering a pharmaceutically effective amount of escitalopram.

Boegesoe et al. discloses the method of treating depression in a patient with the (+) enantiomeric form of citalopram, otherwise referred to as escitalopram (col. 1, lines 9-26), which is also disclosed to be an inhibitor of serotonin uptake. Acceptable pharmaceutical salts of escitalopram include oxalate (col. 1, lines 29-42). The daily dosage of escitalopram is disclosed to be from 5 to 50 mg (col. 8, lines 55-60). Boegesoe et al. teach that while citalopram is a well-known antidepressant in man (col. 1, lines 65-67), substantially all of the antidepressant activity (5-HT uptake inhibition) resides in the (+)-enantiomer, escitalopram (col. 2, lines 38-40).

However, Boegesoe et al. fail to disclose specifically the patient population that consists of those who failed to respond to the initial treatment with a selective serotonin reuptake inhibitor other than escitalopram, such as citalopram.

In applicant's own admission, the specification discloses that clinical studies on depression and anxiety disorders indicate that non-response or resistance to SSRIs, where at least 40-60% reduction in symptoms has not been achieved during the first 6 weeks of treatment (pg. 1, paragraph 3).

Therefore, it would have been prima facie obvious to a person of ordinary skill in the art, at the time the claimed invention was made, to administer escitalopram to a patient who failed to respond to the initial treatment with a selective serotonin reuptake inhibitor other than escitalopram, such as citalopram.

A person of ordinary skill in the art would have been motivated to administer escitalopram to a patient who failed to respond to the initial treatment with a selective serotonin reuptake inhibitor other than escitalopram, such as citalopram, because: (1)

citalopram is a well-known antidepressant in man; (2) it is also well-known fact that non-response or resistance to SSRIs, where at least 40-60% reduction in symptoms has not been achieved during the first 6 weeks of treatment for depression; (3) and that substantially all of the antidepressant activity resides in the (+)-enantiomer, escitalopram. Therefore, the skilled artisan would have had a reasonable expectation of success in treating depression in a patient who failed to respond to the initial treatment with a selective serotonin reuptake inhibitor other than escitalopram, such as citalopram, by administering escitalopram.

Examiner respectfully points out that the limitation directed to an amount "to obtain an effect in a patient after one week," has been inherently met as a result of meeting the limitations with respect to drug, dosage, and patient population.

Response to Arguments

Applicant argues that upon failure to respond to an SSRI (other than escitalopram), a patient would not reasonably be expected to respond to escitalopram as it, too, is an SSRI - i.e., escitalopram works by the same mechanism of action as other SSRIs. If patients are non-responsive to an initial SSRI, it would be logical to conclude that serotonin reuptake inhibition alone is not an effective treatment for that patient.

This is not persuasive because, at the outset, Applicant is reminded that if a patient did not respond to a particular SSRI, it would have been obvious to one of ordinary skill in the art to administer another SSRI with the same reasonable

expectation of successfully treating depression. This is corroborated by the fact that, although the function remains the same, there is no one core structure associated with SSRI, as there are many structurally different classes of drugs that can be called SSRIs. All of these drugs have varying degrees of bioavailablility as a result of their structures. Furthermore, in applicant's own admission, the specification discloses that clinical studies on depression and anxiety disorders indicate that non-response or resistance to SSRIs, where at least 40-60% reduction in symptoms has not been achieved during the first 6 weeks of treatment (pg. 1, paragraph 3). Therefore, it would have been obvious to administer another SSRI, such as escitalopram, with a reasonable expectation of success in treating depression, especially since substantially all of the antidepressant activity resides in the (+)-enantiomer, escitalopram.

Applicant also argues unexpected results in the form of the clinical study performed by D.L. Zimbroff et al. (presented at CINP2004) and abstract of Int. J. Neuropsychopharm. 7(S1):S348, P02.164 (June 2004). This is not persuasive because this abstract was published after the effective filing date of the instant application, therefore this study will not be considered. It is noted that the evidence must be a prior art showing unexpected results at the time of the invention in order to rebut a prima facie case of obviousness.

Regarding the establishment of unexpected results or synergism, a few notable principles are well settled. The Applicant has the initial burden to explain any proffered data and establish how any results therein should be taken to be unexpected and significant. See MPEP 716.02 (b). It is applicant's burden to present clear and

convincing factual evidence of nonobviousness or unexpected results, i.e., side-by-side comparison with the closest prior art in support of nonobviousness for the instant claimed invention over the prior art. The claims must be commensurate in the scope with any evidence of unexpected results. See MPEP 716.02 (d). With regard to synergism, a prima facie case of synergism has not been established if the data or result is not obvious. The synergism should be sufficient to overcome the obviousness, but must also be commensurate with the scope of the claims. Further, if the Applicant provides a DECLARATION UNDER 37 CFR 1.132, it must compare the claimed subject matter with the closest prior art in order to be effective to rebut a prima facie case if obviousness. See MPEP 716.02 (e).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yong S. Chong whose telephone number is (571)-272-8513. The examiner can normally be reached on M-F, 9-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, SREENI PADMANABHAN can be reached on (571)-272-0629. The fax phone number for the organization where this application or proceeding is assigned is (571)-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

YSC

/SREENI PADMANABHAN/
Supervisory Patent Examiner, Art Unit 1617